

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-173880

(43)Date of publication of application : 20.06.2003

(51)Int.Cl.

H05B 33/26
H05B 33/08

(21)Application number : 2001-371275

(71)Applicant : MATSUSHITA ELECTRIC IND CO
LTD

(22)Date of filing : 05.12.2001

(72)Inventor : ISHIKAWA TAKAYUKI
KAHARA TETSURO
ABE YOSHIMARU

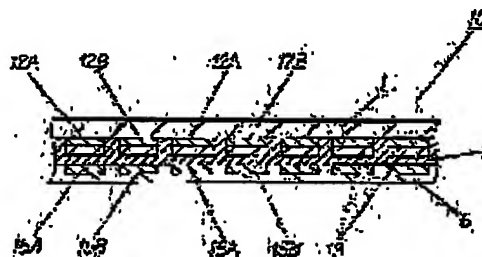
(54) EL ELEMENT AND LIGHTING DEVICE USING THE SAME

(57)Abstract

PROBLEM TO BE SOLVED: To provide an EL element and lighting device using the same used for various electronic devices with few lowering of brightness, capable of lighting for long period.

SOLUTION: An EL element 10 is structured by making translucent electrode layers 12A, 12B and back side electrode layers 15A, 15B engage with each other with a prescribed distance, and forming a plurality of comb-teeth-shaped layers to the lower surface of a translucent base material 1. The lighting device is structured so that a control means 11 switches the voltage impression to a plurality of layers of the EL element 10 one after the other with a prescribed interval. By the above, the lighting device with few lowering of brightness and capable of lighting for long period can be obtained.

1 基板
2 透明電極層
3 絶縁層
4 電圧制御手段
5 12A, 12B 半透明電極層
6 15A, 15B 半透明電極層



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's

decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office